

Flight Dynamics Computer Lab

XCASTLE WORKSTATION



The engineer is working on a Silicon Graphics INDIGO system using an XCASTLE simulation software package. She is viewing one of the engineering display screens that is provided in XCASTLE. The simulation workstation is located in the Flight Dynamics Computer Lab (FDCL).

The XCASTLE simulation workstation is used to support the analysis of F-18 flying quality issues and other aircraft platforms (fixed wing and rotary aircraft). This workstation is set up to support flying qualities analysis.

The XCASTLE system is portable to other cockpit systems in the lab and at Manned Flight Simulator (MFS). Also, XCASTLE is planned to be implemented on the generic cockpit in the lab. All of the fleet aircraft models currently supported at MFS can be transferred to the lab station.

The XCASTLE workstation is used for the support of a variety of aircraft platforms that are also supported by MFS.

For more information contact the Aeromechanics Division at the Naval Air Warfare Center Aircraft Division at Patuxent River, MD at 301-342-0282 or 301-757-0848.

